

INTERNATIONAL PATENT APPLICATION

Applicant: DURR AUTOMOTION GmbH

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**Abstract**

5           The invention relates to an air conveyor in a conveying  
assembly with two symmetrical conveyors for transporting car bodies  
resting on sleds individually suspended to traction carrier cables (60)  
through four independent pendle arms. The cables are synchronously  
driven to travel along parallel respective paths following a closed loop  
10 circuit in a vertical plane. The arms are affixed to the cables through  
articulated assembly devices enabling them to travel a complete  
revolution in the vertical plane. When they return empty, from the  
sled discharging station to the loading station, they are tilted along  
the cable until they rest on a support member integral therewith. A  
15 ramp is also provided for retaining the distal end of each arm which  
guides its tilting about an idler wheel when approaching the loading  
station.

Figure 1